Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/26/2020 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125311	0	1.84	125388	1.85
Blue	F	SSC	125000	123658	-2	1.75	124301	1.73
Blue	E	FITC	15892	15480	-3	2.76	336	20.64
Blue	D	PE	29999	29387	-3	1.95	640	15.12
Blue	B	PerCP-Cy5-5	43732	43590	-1	3.66	1172	20.46
Blue	A	PE-Cy7	30845	31003	0	6.07	589	41.44
Red	C	APC	46112	44759	-3	2.51	1574	12.16
Red	A	APC-Cy7	30458	29734	-3	2.35	787	12.04
Violet	B	V450	7918	7604	-4	4.72	446	12.84
Violet	A	V500	32171	31130	-4	4.58	733	10.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17090	9.10	629	8	N/A	N/A	Pass
Blue	F	SSC	57145	1.31	569	10	N/A	N/A	Pass
Blue	E	FITC	61	65.51	547	4	0.0187	119	Pass
Blue	D	PE	134	48.38	553	5	0.1392	197	Pass
Blue	B	PerCP-Cy5-5	217	50.39	659	3	0.0090	70	Pass
Blue	A	PE-Cy7	112	101.34	702	4	0.0106	16	Pass
Red	C	APC	377	25.79	588	4	0.0249	208	Pass
Red	A	APC-Cy7	175	29.05	559	3	0.0055	1102	Pass
Violet	B	V450	67	59.30	462	4	0.0584	2548	Pass
Violet	A	V500	109	35.42	478	4	0.0234	1050	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.92	-32.49	0.97
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	16.66	13.60 - 20.40	N/A	N/A	29.80	30.31	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9558

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments